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NORMS FOR CONSUMPTION AND LOSSES OF PETROLEUM PRODUCTS

Norms for Gasoline Consumption by Motorcycles

Make of Motorcycle	Norm for Gasoline Consumption per 100 km Run(l) Without sidecar	With sidecar
Strela ML-3	3.0	-
IZh-7, IZh-8 and 9, L-300	4.0	-
L-8	3.5	-
TIS-AM-600	4.5	6.5
PMZ-A-750	5.5	6.5
TIZ-50	-	7.0
M-72	6.0	7.8
Velocette and Matchless	4.6	-
Harley Davidson	6.0	7.8
Other motorcycles with two-cylinder engines with displacement of more than 750 cu m	6.0	7.8
Other motorcycles with one-cylinder engines with displacement of more than 350 cu m	4.6	-

Fuel Consumption Norms in Running-in a New Engine (kg)

Type of Fuel	Type of Engine SKhTZ	Univer-sal	STZ-NATI	ChTZS-60	ChTZS-65 Basic	ChTZS-65 Starting	GAZ-NATI	U-5
Kerosene	6.5	6.0	8.0	-	-	-	-	-
Ligroine	-	-	-	10.5	-	-	-	-
Gasoline	-	-	-	-	-	3.5	4.5	6.5
Diesel fuel	-	-	-	-	9.0	-	-	-

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Additional Consumption Norms for Lubricants and Gasoline in Running-in Gas-Generator Tractors and Motors and also for Diesel Tractors (kg)

Type of Operation	ChTZ S-65 ChTZ S-G-65 Diesel Oil for Tractor(kg)	ChTZ S-65 ChTZ S-G-65 Solidol for Tractor(kg)	Starting Engine for ChTZ S-65 and ChTZ SG-65 Tractors: Gasoline for Engines(kg) ChTZ-S-65	ChTZ-SG-65	Avtol for Engine(kg)	Solidol for Engine(kg)	Gasoline for KhTZ-T-20 Tractor(kg)	Gasoline for STZ-NATI Tractor(kg)	Avtol for KhTZ-T20, STZ-NATI Tractors(kg)	Tractor(kg)
Running-in of new tractor	30	-	1.2	1.92	-	-	1.44	0.6	24.3	-
Including running-in of new engines	14	-	1.2	1.92	2.5	-	1.44	0.6	11.5	-
Running-in of tractor back from current repair	41	4.8	1.0	1.6	-	-	1.44	0.66	35.0	4.6
Including running-in of engine in MTS (or at repair plant)	27	-	1.0	1.6	2.0	0.2	1.44	0.6	19.5	-
Running-in of tractor back from capital repair	37	3.5	1.0	1.6	-	-	1.44	0.6	30	3.3
Including running-in of engine in MTS (or in repair plant)	24	-	1.0	1.6	2.0	0.2	1.44	0.6	19.5	-

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Consumption Norms for Lubricants for Agricultural Machinery (kg per hectare)

Name of Machine	Name of Lubricant: Fresh Avtol or Machine Oil	Name of Lubricant: Solidol	Total Consumption of Lubricants
Tractor plow	-	0.05-0.10	0.10-0.15
Disk harrow	-	0.17	0.17
Tractor seeder	-	0.03	0.08
Reaper	0.03	0.02	0.10
Flax puller	0.20	0.10	0.30
Grain binder	0.04	0.04	0.08
Wind rower	0.05	0.02	0.10
Combine	0.05	0.10	0.30
Thresher	0.13	0.02	0.15
Sugar beet lifter	-	0.10	0.15
Planter	0.08	0.05	0.15
Cultivator	-	0.10	0.03

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Norms for losses of Petroleum Products During Storage at Petroleum Bases of Glavneftesbyt

Type of Petroleum Product	Type of Storage	Season of Year	Norms for Losses During 6 Months Storage (in percent of weight of stored petroleum products) Zone I	Zone II
1. Automobile gasoline	Tanks	Fall-winter	0.22	0.20
	Tanks	Spring-summer	0.45	0.40
	Iron drums	Fall-winter	0.35	0.25
	Iron drums	Spring-summer	0.70	0.55
2. Ligroine	Tanks	Fall-winter	0.20	0.15
	Tanks	Spring-summer	0.40	0.30
	Iron drums	Fall-winter	0.30	0.20
	Iron drums	Spring-summer	0.60	0.40
3. Kerosene	Tanks	Fall-winter	0.12	0.9
	Tanks	Spring-summer	0.25	0.20
4. Diesel fuel	Tanks	Fall-winter	0.10	0.9
	Tanks	Spring-summer	0.20	0.18
5. Automobile and tractor fuel	Tanks	Fall-winter	0.08	0.08
	Tanks	Spring-summer	0.15	0.15
	Wooden barrels	Fall-winter	0.17	0.17
	Wooden barrels	Spring-summer	0.25	0.25
6. Cylinder oils, vapor, nigrol, etc.	Tanks	Fall-winter	0.07	0.07
	Tanks	Spring-summer	0.15	0.15
	Wooden barrels	Fall-winter	0.17	0.17
	Wooden barrels	Spring-summer	0.25	0.25
7. Consistent lubricants	Wooden barrels	Fall-winter	0.20	0.20
	Wooden barrels	Spring-summer	0.50	0.50
8. Fuel and lubricating masuts, motor fuel	Tanks	Fall-winter	0.08	0.08
	Tanks	Spring-summer	0.24	0.24

Notes: 1. The fall-winter period goes from October to March and the Spring-summer period from April through September.

2. Zone I includes the following republics, krays and oblasts: AZerbaydzhan, Georgia, Armenia, Uzbek, Turkmen, Tadzhik, Kirgiz and Kazakh SSRs; Dagestan, Kabardinskaya, Severo-Osetinskaya ASSRs; Stalingradskaya, Rostovskaya oblasts; Primorskiy, Stavropol'skiy, and Krasnodarskiy krays.

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Norms for Petroleum Products' Losses During Transport by Rail or Water

Type of Petroleum Product	Losses by Rail	Losses by Water	
Kerosene, ligroine, motor oil			
a. In tank cars, in summer	0.5	In pouring into tankers, summer	0.75
In tank cars, in winter	0.5	In pouring into tankers, winter	0.75
b. In metal drums	0.1	In metal drums	0.30
In wooden barrels, summer	0.7	In wooden barrels, summer	1.00
In wooden barrels, winter	0.5	In wooden barrels, winter	0.75
Masut, lubricants, and petroleum residues			
In tank cars	0.4	In pouring into tankers	0.5
In drums or barrels	0.5	In drums or barrels	0.6
Petroleum gudron			
In tank cars	-		
In containers	0.2	In containers	0.25
Piled in a heap	0.4	Piled in a heap	0.50
Gasoline in tank cars - In summer	0.75	In pouring into tankers, summer	1.00
In winter	0.5	In pouring into tankers, winter	0.50
In drums or barrels	0.2	In drums or barrels	0.25

In combined rail and water transport, the norms given for rail transport are increased 30 percent for every change from rail to water and vice versa.

Tentative Norms for Petroleum Products' Losses During Transport by Truck

Type of petroleum Product	Norms for Losses During Transport in Drums or Barrels, (percent)	Norms for Losses During Transport by Tank Truck (percent)
Gasolines	0.15	0.10
Ligroin, Kerosene, Gas oil, Diesel fuel	0.10	0.05
Automobile and tractor oils	0.03	-
General industrial oils, Solar and vaseline oils, Special oils	0.10	0.05

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Norms for Losses of Petroleum Products Supplied and Poured into Drums or Barrels and Tank Trucks from the Bases of the Glavneftesbyt

Type of Petroleum Product	Norms for Losses in Percent of Weight of Supplied Petroleum Products
Automobile gasoline	0.40
Ligroin	0.35
Kerosene	0.12
Diesel fuel	0.08
Motor fuel	0.06
Automobile and tractor oils	0.055
Cylinder oil	0.05
Nigrol	0.05
Crude petroleum	0.09
Fuel mazut	0.06
Consistent lubricants	0.05

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